

CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

1 1. A method for a computer to deliver an electronic document to an Internet
2 appliance, the method comprising the steps of:

3 receiving a request for a document address for the document;
4 dynamically assigning a single-use document address to the requested
5 document;

6 receiving an access request for the document from the Internet
7 appliance via the assigned single-use document address;

8 sending the requested document to the Internet appliance; and

9 deleting the single-use document address assigned to the requested
10 document after the requested document has been sent to the Internet appliance.

1 2. The method of claim 1, further comprising the step of:

2 granting access to the document according to a password submitted to
3 the computer.

1 3. The method of claim 1, further comprising the steps of:

2 receiving an encryption key for encrypting the requested document;

3 and

4 encrypting the requested document according to the encryption key.

1 4. The method of claim 1, further comprising the step of:
 2 sending a message from the computer to a requesting source containing
 3 the single-use document address assigned to the requested document.

1 5. The method of claim 1, wherein the computer is an Internet web server
 2 computer.

1 6. The method of claim 1, wherein the document address is a uniform resource
 2 locator address.

1 7. A method for making a document that is stored on a remote server to be
 2 accessible on the Internet according to a temporary document address assigned to the
 3 document, the method comprising the steps of:

4 issuing a request to the remote server to retrieve the document and
 5 return a temporary document address assigned to the document; and

6 receiving the temporary document address from the remote server,
 7 wherein the document is accessible on the Internet according to the temporary
 8 document address assigned to the document; and

9 communicating the received temporary document address to a remote
 10 Internet appliance, wherein the Internet appliance retrieves the document from
 11 the remote server according to the received temporary document address.

1 8. The method of claim 7, further comprising the step of:
2 communicating authentication information to the remote server to gain
3 access to the remote server.

1 9. The method of claim 7, further comprising the step of:
2 communicating an encryption key to the remote server for encrypting
3 the document assigned the temporary document address on the remote server.

1 10. The method of claim 7, wherein the temporary document address is a uniform
2 resource locator address.

1 11. A method for making a document available on the Internet according to a
 2 dynamically assigned single-use document address, comprising the steps of:
 3 generating a request to a web server for the document from a
 4 requesting device;
 5 retrieving the document from a storage location upon receipt of the
 6 request;
 7 dynamically assigning a single-use document address to the retrieved
 8 document;
 9 sending the single-use document address to the requesting device,
 10 wherein the single-use document address is communicated to an Internet
 11 appliance;
 12 downloading the retrieved document from the web server according to
 13 the single-use document address; and
 14 terminating the single-use document address after downloading the
 15 retrieved document.

1 12. The method of claim 11, further comprising the step of:
 2 communicating the single-use document address to the web server to
 3 access the document.

1 13. The method of claim 11, further comprising the step of:
 2 determining whether the requesting device can access the web server
 3 by validating authentication information included in the request.

1 14. The method of claim 11, further comprising the step of:
 2 encrypting the retrieved document according to encryption information
 3 included in the request.

1 15. The method of claim 14, further comprising the steps of:
 2 communicating a decryption key from the requesting device to the
 3 Internet appliance; and
 4 decrypting the retrieved document received from the web server
 5 according to the decryption key.

1 16. The method of claim 11, wherein the single-use document address is a
 2 uniform resource locator address.

1 17. A system to deliver an electronic document to a remote Internet appliance,
 2 comprising:

3 logic configured to receive a request for the document from a
 4 requesting source;

5 logic configured to dynamically assign a single-use document address
 6 to the requested document;

7 logic configured to send the document to the remote Internet appliance
 8 upon receipt of a request for the document via the assigned single-use
 9 document address; and

10 logic configured to delete the single-use document address assigned to
 11 the requested document after the requested document has been sent to the
 12 remote Internet appliance.

1 18. The system of claim 17, further comprising:
 2 logic configured to grant access to the requesting source by validating
 3 a password submitted by the requesting source to the computer.

1 19. The system of claim 17, further comprising:
 2 logic configured to receive an encryption key from the requesting
 3 source; and
 4 logic configured to encrypt the requested document according to the
 5 encryption key.

1 20. The system of claim 17, further comprising:
 2 logic configured to send a message to the requesting source containing
 3 the single-use document address assigned to the requested document.

1 21. The system of claim 17, wherein the single-use document address is a uniform
 2 resource locator address.

1 22. A system for making a document available on the Internet according to a
2 dynamically assigned single-use document address, comprising:

3 logic configured to generate a request to a web server for the document
4 from a requesting device;

5 logic configured to implement the web server to retrieve the document
6 from a secure storage location upon receipt of the request;

7 logic configured to implement the web server to dynamically assign a
8 single-use document address to the retrieved document;

9 logic configured to implement the web server to send the single-use
10 document address to the requesting device;

11 logic configured to implement the requesting device to communicate
12 the single-use document address to an Internet appliance;

13 logic configured to implement the Internet appliance to download the
14 retrieved document from the web server according to the single-use document
15 address; and

16 logic configured to implement the web server to terminate the single-
17 use document address after downloading the retrieved document to the
18 Internet appliance.

1 23. The system of claim 22, further comprising:

2 logic configured to implement the web server to authenticate the
3 requesting device according to authentication information included in the
4 request.

1 24. The system of claim 22, further comprising:
 2 logic configured to implement the web server to encrypt the retrieved
 3 document according to encryption information included in the request.

1 25. The system of claim 24, further comprising:
 2 logic configured to implement the requesting device to communicate a
 3 decryption key to the Internet appliance; and
 4 logic configured to implement the Internet appliance to decrypt the
 5 retrieved document received from the web server.

1 26. The system of claim 22, wherein the single-use document address is a uniform
 2 resource locator address.

1 27. A system for making a document available on the Internet according to a
 2 dynamically assigned single-use document address, comprising:
 3 means for requesting the document;
 4 means for retrieving the document from a secure storage location upon
 5 receipt of the request;
 6 means for dynamically assigning a single-use document address to the
 7 retrieved document;
 8 means for downloading the retrieved document according to the single-
 9 use document address; and
 10 means for terminating the single-use document address after
 11 downloading the retrieved document.

1 28. The system of claim 27, further comprising:
 2 means for encrypting the retrieved document according to encryption
 3 information; and
 4 means for decrypting the retrieved document.

1 29. A method for an Internet appliance to retrieve a document on the Internet
 2 according to a dynamically assigned single-use document address, comprising the
 3 steps of:
 4 receiving a single-use document address assigned to the document;
 5 requesting the document from a server computer by the single-use
 6 document address;
 7 downloading the document from the server computer upon gaining
 8 access to the document with the single-use document address; and
 9 manipulating the document downloaded from the server computer.

1 30. The method of claim 29, further comprising the step of:
 2 decrypting the downloaded document received from the server
 3 computer according to a decryption key.

1 31. The method of claim 29, wherein the manipulating step further comprises
 2 printing the downloaded document.

1 32. The method of claim 29, wherein the Internet appliance is a video display unit
 2 that displays an image of the downloaded document.

1 33. A system for an Internet appliance to retrieve a document on the Internet
 2 according to a dynamically assigned single-use document address, comprising:
 3 logic configured to receive a single-use document address assigned to
 4 the document;
 5 logic configured to request the document from a server computer by
 6 the single-use document address;
 7 logic configured to download the document from the server computer
 8 upon gaining access to the document with the single-use document address;
 9 and
 10 logic configured to manipulate the document downloaded from the
 11 server computer.

1 34. The system of claim 33, further comprising:
 2 logic configured to decrypt the downloaded document received from
 3 the server computer according to a decryption key.

1 35. The method of claim 33, wherein said logic configured to manipulate the
 2 downloaded document comprises printing the downloaded document.

1 36. The system of claim 33, wherein the Internet appliance is a video display unit
 2 that displays an image of the downloaded document.